CHAPTER 2: HARDWARE INSTALLATION

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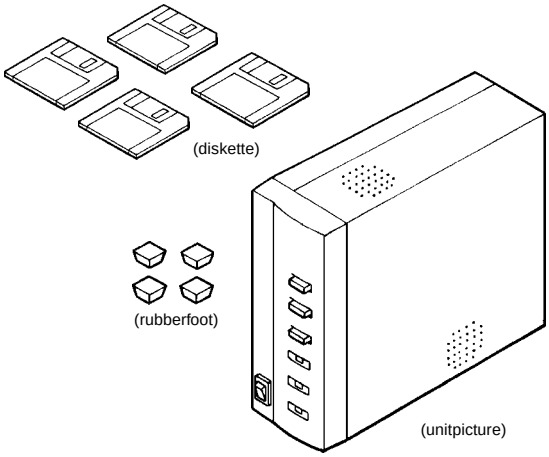
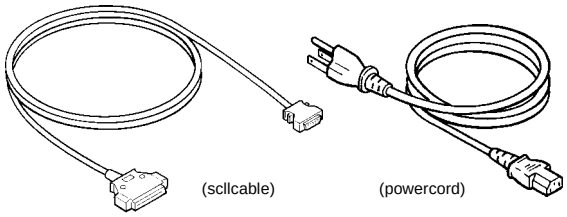
1. Hardware Installation

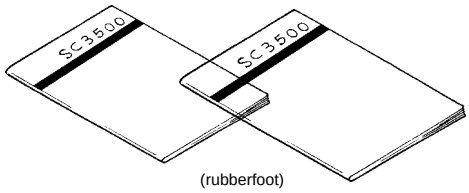
1. Checking Your SC3500 Package

Check that your SC3500 package contains the SC3500 unit and the cartonwhich should contain the items mentioned below.

- SC II cable (10m) 1 pce
- Power cord 1 pce
- User's guide 2 copies
  - For SC3500 unit
  - For Print Drivers
- 3 1/2" Diskette (for Windows 3.1) 1 pce
- 3 1/2" Diskette (for Windows 95) 1 pce
- 3 1/2" Diskette (for Macintosh QD) 1 pce
- 3 1/2" Diskette (for Windows NT4.0) 1 pce
- Rubber foot 4 pcs.







[NOTE]

In addition to the SC3500 package contents the interface board corresponding to the Risograph model to be connected, i.e. RA, GR or TR, is required separately.

2. Computer System Requirements

- **Windows platform**
  - IBM PC or compatible
    - > Centronics or IEEE1284 parallel port [nibble and byte modes for bi-directional]
    - > Floppy disk drive 3 1/2"
    - > Hard disk with minimum 256 kB free space for the SC3500 software
    - > Windows 3.1 or Windows 95 or Windows NT4.0 installed
- **Macintosh platform**
  - Apple Macintosh
    - > Floppy disk drive 3 1/2"
    - > Hard disk with minimum 256 kB free space for the SC3500 softwares
    - > Minimum 12 MB Installed Memory (RAM)
    - > Minimum 60 MB memory available with Installed Memory (RAM) and Extended (Virtual) Memory
    - > System 7.1 or 7.X Mac OS installed
    - > QuickDraw installed and enabled
  - Apple Power Macintosh
    - > Floppy disk drive 3 1/2"
    - > Hard disk with minimum 256 kB free space for the SC3500 softwares
    - > Minimum 16 MB Installed Memory (RAM)
    - > Minimum 60 MB memory available with Installed Memory (RAM) and Extended (Virtual) Memory
    - > System 7.1 or 7.X Mac OS installed
    - > QuickDraw installed and enabled

3. Risograph System Requirements

The SC3500 can be connected to the following Risograph models : (See Chapter 1-5 for detail)

- **All RA models**
- **All GR models**
- **All TR models**

[NOTE]

If the Risograph whose resolution is 300dpi, i.e."300x400dpi" or "300x300dpi", has the System ROM whose I/F version is "Rev.4.xx" installed, the page data developed in the SC3500, i.e. "400x400dpi", is automatically adjusted 300dpi data for the Risograph by picking off image data in a certain pattern. If its I/F version is "Rev.5.xx", however, the page data is automatically developed in the 300dpi format in the SC3500.

4. Preparing the Risograph

1. **Turn off the Main power and unplug the power cord of the Risograph.**
2. **Remove the Back cover.**
3. **Install the corresponding Interface board into the Risograph, as instructed by the enclosed Installation guide.**
4. **Lead the wire-harnesses packed in the Interface board carton inside the Risograph, as instructed by the enclosed Installation guide.**
5. **Replace the Back cover.**

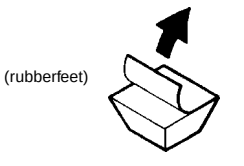
[NOTE]

Be careful not to damage the wire-harnesses. Avoid wire-harnesses from touching the sharp edges of the machine and the drive mechanism by binding the wire harnesses to the machine frames where necessary. Take care not to pinch the wire-harnesses when placing the Back cover on the machine.

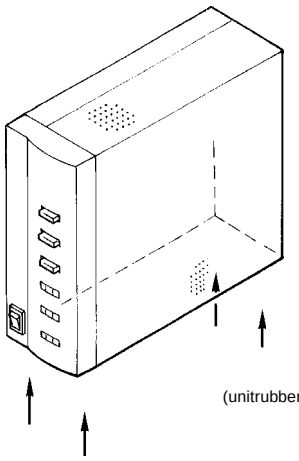
5. Preparing the SC3500

- Attaching Rubber Feet

Peel the sheets off the rubber feet (which come with the package) and attach them on the corresponding panel of the SC3500 according to its installation direction.

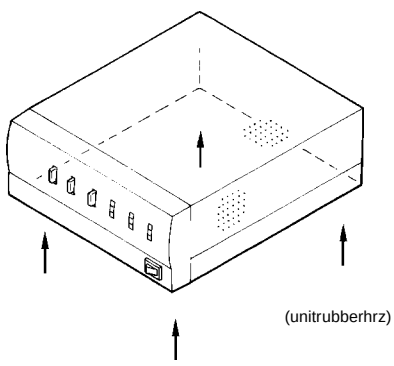


Rubber feet



Attachment position when installed upright

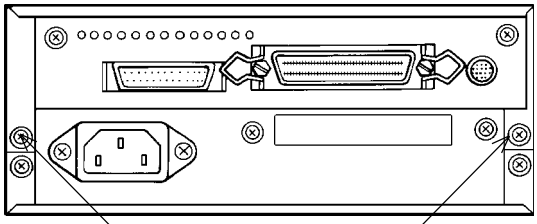
Attachment position when installed laid down



- Expanding Memory Volume

8MB DRAM is installed as standard on the Main PCB in the SC3500. This memory space is used for developing the print data transmitted from the personal computer into page data.
This standard 8MB memory is enough memory to develope an A3-size document in 600dpi resolution.
This memory volume can be expanded up to 40MB by installing an optional SIMM (32MB) on the Main PCB in order to increase the page data volume which can be stored inside the SC3500 simultaneously.

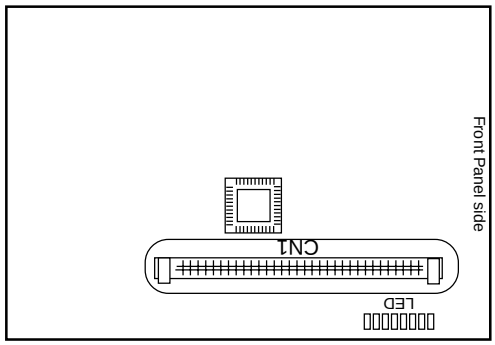
1. Turn off the power on the SC3500 and then unplug the power cord.
   If the SC3500 is already connected to other equipment, remove all connected cables.


(unitrear)

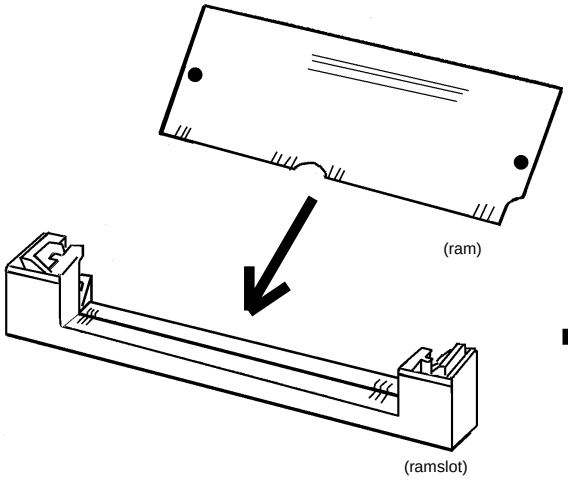
Remove these two screws.

2. Ground yourself and remove the Upper body cover from the SC3500 unit by removing the upper two screws on the rear panel and sliding the cover backwards.

3. Install the optional SIMM (32MB) into CN1 socket on the Main PCB.
   To install a SIMM, hold it at about 60 degree angle against its socket and press its edge connector firmly into the slot running through the center of the socket. Then pivot the SIMM up.
   You will hear a click as the plastic tabs at each end of the socket snap into place around the SIMM and then the small plastic projection snap into the holes at each end of the SIMM.

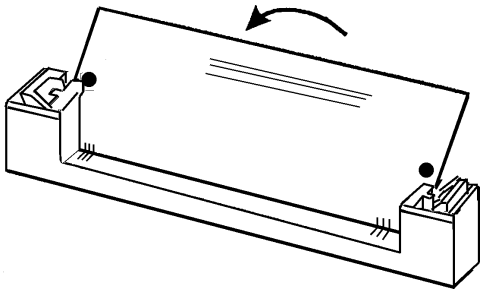


< Main PCB >


(ram)

(ramslot)

SIMM (Back side view)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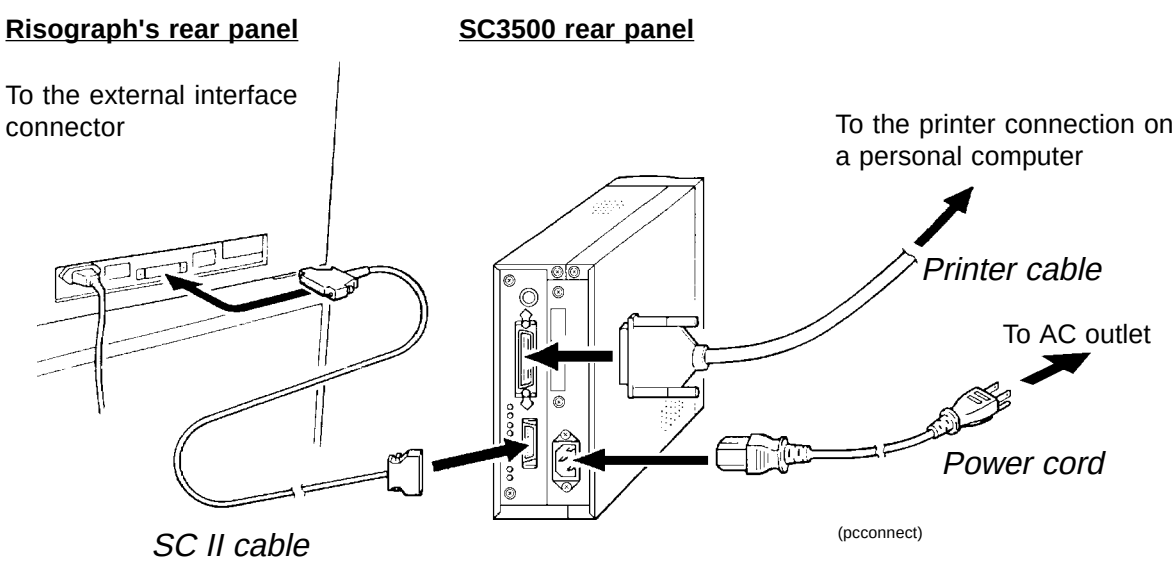
4. Replace the Upper body cover on the SC3500 unit.

6. Connecting the cables

Connect the cables of the SC3500 properly while referring to the figure shown below. Be sure to turn off the personal computer, SC3500, and the Risograph when connecting the cables.

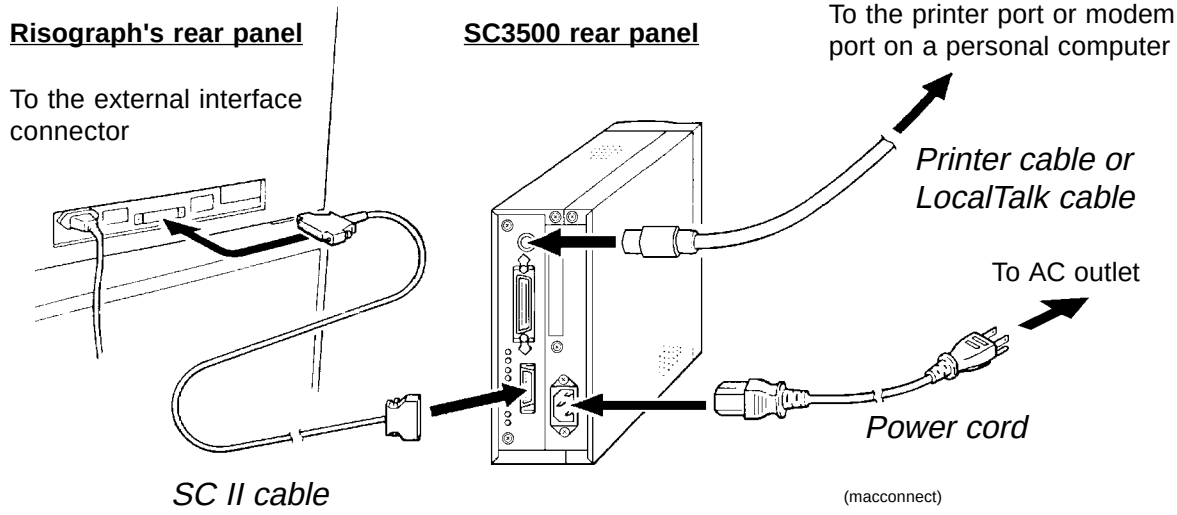
- With IBM PC or compatible PC



[NOTE]

Purchase a commercially available printer cable for connecting between the SC3500 and the personal computer.

- With Apple Macintosh or compatible computer


Risograph's rear panel
SC3500 rear panel
To the printer port or modem port on a personal computer
To the external interface connector
Printer cable or LocalTalk cable
To AC outlet
Power cord
SC II cable
(macconnect)

[NOTE]

Purchase a commercially available printer cable or LocalTalk cable for connecting between the SC3500 and the personal computer.

If the printer port on the Macintosh is already occupied with the LocalTalk cable, use the LocalTalk network for cable connection or connect the printer cable to the modem port.